

Remarks

Claims 1-27 are pending and at issue in the above identified patent application. Of the claims at issue, claims 1, 10, and 19 are independent. In the Office action dated June 4, 2004, the examiner accepted the arguments set forth in the response to the Office action dated November 10, 2004, but has put forth new grounds for rejection, namely, that each of the independent claims is rejected as being unpatentable over Yoshinobu (U.S. 5,686,954) in view of Lee (U.S. 6,463,428). In view of the forgoing amendments and the following remarks, reconsideration of the application is respectfully requested.

Independent claims 1, 10, and 19, as amended, recite a system and method of transmitting, receiving, and displaying program guide data on a display screen. The method and system comprise transmitting a plurality of segments associated with a program to a receiver. At the receiver, a processor examines the segments as they are received and populates a keyword table with words that appear in the segment data more than a number of times. The keywords are linked to other programs whose segments also include the keywords, thus allowing a user to view a list of programs associated with a keyword by selecting that keyword.

Yoshinobu discloses a program information broadcasting and receiving system including a head end at which program guide information is assembled and from which the program guide information is transmitted. At the head end of Yoshinobu, program guide information for each program is classified into a number of different categories and sub-categories. For example, ESPN Sports Center may be categorized into News and sub-categorized into Sports News (see, FIG. 7). To perform the categorization, Yoshinobu assigns an ID to each category and sub-category and communicates the IDs for each program to each receiver system.

On the receive side of the Yoshinobu system, the receiver system obtains the program guide information and the associated IDs, and uses the IDs to display the categorized data. The receiver system provides navigational tools that may be used by a viewer. For example, as shown in FIG. 18, a navigational hierarchy with a number of levels may be provided to a viewer to enable a viewer to navigate through available programming content. Yoshinobu fails to disclose populating a keyword table at the receiver with words that appear in the program guide data more than a number of times. Further, Yoshinobu fails to disclose any method of examining the program guide objects *as they are received* and extracting keywords from those objects.

The Office action seeks to cure the deficiency of Yoshinobu by citing Lee. Lee discloses a user interface for querying and displaying records from a database by allowing the user to select a number of keywords to be used in the query. The available keywords are culled from results of searches of the program guide database and are ranked based on their frequency. Lee teaches that this user interface is implemented at the receiver end of an electronic program guide system. Lee, however, fails to disclose extracting keywords from the program guide objects *as the objects are received* by the receiver.

The Office action relies on a combination of Yoshinobu and Lee for disclosure of all elements of the claims. It is respectfully submitted, however, that the cited references are at least deficient in that they do not disclose the extraction of keywords from the program guide objects as the program guide objects are received by the receiver. It is further submitted that there is no motivation for the combination of Yoshinobu and Lee. Yoshinobu teaches that program guide data is classified at the head end system and that an ID corresponding list is generated when a user attempts a search. In contrast, Lee teaches that keywords are culled from the program guide data of the results of a user's first search. The references use these methods because they are directed to methods for enhancing a user's search function. Even if there were motivation for the combination, the combination would not result in the claimed system. The recited method is directed to enhancing the viewing of an electronic program guide by linking the keywords of programs to other programs containing those keywords. In this manner, when a user is viewing a program they may select one of the keywords associated with that program. The system will then display a list of programs that contain that keyword.

Even if it could be argued that Yoshinobu and/or Lee teaches extracting keywords from program guide objects as they are received, it is respectfully submitted that Yoshinobu teaches away from combination with the Lee system. In particular, Yoshinobu teaches that, "due to the form in which character information is transmitted, the amount of transmitted data is relatively large...and it is difficult to transmit enough information regarding the detailed contents of broadcasting programs in addition to essential information as the information for program tables such as the name of broadcasting stations, the name of programs and the broadcasting time" (Yoshinobu, 1:66-2:13). Thus, Yoshinobu teaches that processing and parsing of the program guide data should be conducted at the head end so as to reduce the size of the data to be transmitted to the receiver. In direct contrast to the disclosure of Yoshinobu, Lee teaches that the full program

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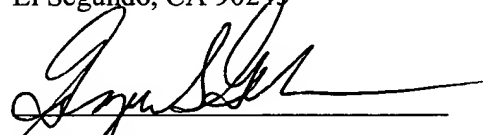
guide data should be sent to the receiver so that keywords may be culled from program guide data search results. Consequently, because Yoshinobu teaches away from a system such as the Lee system, there can be no motivation to combine the teachings of Yoshinobu and Lee.

In light of the forgoing amendments and arguments, it is respectfully submitted that independent claims 1, 10 and 19 and all claims dependent thereon are now in condition for allowance. Reconsideration of the application and allowance thereof are respectfully requested. If there is any matter that the examiner would like to discuss, the examiner is invited to contact the undersigned representative at the telephone number set forth below.

Respectfully submitted,

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